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SECURITY INFORMATION

CENTRAL INTELLIGENCE AGENCY

## INFORMATION REPORT

25X1A

COUNTRY USSR

SUBJECT Basic Army Truck Models/Gasoline for Winter Use

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1. "The following information dates through late   
Army Trucks
2. "Since World War II the basic models of army trucks used by the Soviet armed forces have been the following:

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- (a) Vehicles of low load capacity (2-2.5 tons) - The GAZ-51, GAZ-63 and GAZ-63 A (army).

They have a carburettor of the type K-49 A, electrical equipment of 12 volts and a mechanical tire pump. The GAZ-63 and GAZ-63 A are adapted to haul trailers and artillery systems weighing up to two tons. The GAZ-63 A is especially adapted for military use. It is equipped with a winch, good springs and hydraulic 'amortisators', and can drive through water up to one meter in depth.

- (b) Vehicles of medium load capacity (3-4 tons) - The ZIS-150 and ZIS-151.

They have a carburettor of the type K-80, electrical equipment of 12 volts and a mechanical tire pump. They can drive through water up to one meter in depth. They are adapted to haul trailers and artillery systems weighing up to 4.5 tons.

- (c) Diesel trucks of 5-7 tons load capacity - The YaAZ-200, adapted to haul trailers weighing up to seven tons.
- (d) Diesel trucks of 10-12 tons load capacity - The YaAZ-210, adapted to haul trailers weighing up to 15 tons.

- (e) Tractors (tiagach) - The YaAZ-210, adapted to haul trailers weighing up to 54 tons.

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Gasoline

3. "To facilitate ignition in winter, army vehicles are provided with starting pumps AP and starting generators PGG-1, which operate on 'starting gasoline' and ensure the starting of the motor at a temperature as low as  $-35^{\circ}$  Centigrade.
4. "The most usual brand of 'starting gasoline' is PGB (puskovoĭ gazovyi benzin). The specific weight of PGB is 0.565-0.650 at a temperature of  $+20^{\circ}$  Centigrade. Other brands of 'starting gasoline' are PKB (specific weight - 0.700), PUB (specific weight - 0.710) and PMB (specific weight 0.710).
5. "The starting gasolines may be transported, issued and used only during the cold season of the year. The starting gasolines are transported and kept in cool places in special 100-litre barrels tested at a pressure of 10-12 atmospheres. The barrels must be kept out of the sun scrupulously.
6. "A so-called 'red gasoline' is also used for army auto vehicles. This automobile gasoline has an admixture of 'ethyl liquid' in the proportion of 1.5 cubic centimetres to one litre of gasoline. It is dyed red. The 'ethyl liquid' consists of:  
49 - 55 per cent tetraethyl lead ( $C_2H_5/4Rv$ ) [sic]  
34 per cent ethyl bromide  
10 per cent other components.
7. "In winter an 'anti-freeze' is issued, consisting of 55 per cent glycol and 45 per cent water."

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